

To: Blankenship, Melissa[Blankenship.Melissa@epa.gov]
From: Delancey, George J LRL
Sent: Mon 2/3/2014 5:52:42 PM
Subject: Isolated? (UNCLASSIFIED)

Classification: UNCLASSIFIED
Caveats: NONE

If someone wrote this (below) in their application (CIA) and then requested that some final pits and wetlands on reclaimed ground be called isolated, what would you say?

"Areas of previous mining north and east of the Seven Hills Mine have resulted in large acreages of saturated spoil and interconnected final pit impoundments. These hydrologic systems developed during the mining process when the overburden was broken up by blasting and removed to recover the coal. The disrupted overburden, or spoil, which was originally solid rock became a heterogeneous mixture of particles ranging in size from clays to boulders. The transition of low permeability consolidated rock to moderately permeable unconsolidated spoil has increased groundwater recharge and storage capacity. These spoil areas absorb considerable recharge from precipitation and slowly release it as base flow to streams and open water bodies. The net effect is an increase in base flow of the receiving streams and a decrease in peak flows."

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